

**FEDERALLY ENFORCEABLE STATE
OPERATING PERMIT (FESOP) Renewal
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
and
CITY OF INDIANAPOLIS
OFFICE OF ENVIRONMENTAL SERVICES**

**GAC Indianapolis, Sheetfed Division
7301 North Woodland Drive
Indianapolis, Indiana 46278**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F097-13944-00143	
Issued by: Original Signed by John Chavez	Issuance Date: September 25, 2002
John Chavez, Administrator Office of Environmental Services	Expiration Date: September 25, 2007

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**Four (4) non-heatset Lithographic offset presses, EU-1, EU-3, EU-4, and EU-5
One (1) Man-Rolland UV Coater/Scoring Press, EU-6**

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Quarterly Report Form

Quarterly Report Form

Quarterly Report Form

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) City of Indianapolis Office of Environmental Services (OES). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary lithographic printing operation, that prints and publishes books.

Authorized individual:	Paul Sebastian
Source Address:	7301 North Woodland Drive, Indianapolis, Indiana, 46278
Mailing Address:	7301 North Woodland Drive, Indianapolis, Indiana, 46278
SIC Code:	2731
Source Location Status:	Marion County
County Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD or Emission Offset Rules; Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

- (a) Four (4) non-heatset Lithographic offset presses, identified as emitting units numbers one (EU-1), three (EU-3), four (EU-4), and five (EU-5). EU-1, EU-3, and EU-4 have a maximum operating capacity of 12.38 million square inches per hour each; EU-5 has a maximum operating capacity of 16.80 million square inches per hour. The units are not equipped with control equipment and exhaust back into the building. The installation dates of each press are as follows: EU-1 (1990), EU-3 (1993), EU-4 (1993), and EU-5 (1998).
- (b) One (1) Man-Rolland UV Coater/Scoring Press, identified as emission unit number six (EU-6), having a maximum operating capacity of 5.59 million square inches per hour. The unit is not equipped with control equipment and exhausts back into the building. This unit was installed in 1998.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.
- (b) Prepress area is classified as an insignificant emitting activity based on the following information. The potential emissions for this area were based on extrapolation of actual usage data to reflect continuous hours of operation. The potential emissions for this area were established at 0.65 tons of Hazardous Air Pollutants (HAPs) and 0.46 tons of VOC per year.

- (c) Particulate emissions from the use of anti-offset powders at the presses was classified as an insignificant emitting activity based on the following information. The potential emissions of particulate matter from each press was based on maximum usage of anti-offset powder and continuous hours of operation. The potential emissions of particulate matter for EU-1, EU-3, EU-4, and EU-5 was established at 2.71 tons per year. The short term potential emissions are less than 5 pounds per hour or 25 pounds per day for each press.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) to renew a Federally Enforceable State Operating Permit (FESOP).

A.5 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

- (1) incorporated as originally stated,
- (2) revised, or
- (3) deleted

by this permit.

- (b) All previous registrations and permits are superseded by this permit.

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

B.2 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2, and 326 IAC 2-7) shall prevail.

B.3 Permit Term [326 IAC 2-8-4(2)]

This permit is issued for a fixed term of five (5) years from the original date, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.

B.4 Enforceability [326 IAC 2-8-6]

- (a) Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM and OES, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.
- (b) Unless otherwise stated, all terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable by the City of Indianapolis Office of Environmental Services.

B.5 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.6 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.7 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.8 Duty to Supplement and Provide Information [326 IAC 2-8-3(f)] [326 IAC 2-8-4(5)(E)] [326 IAC 2-8-5(a)(4)]

- (a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis Indiana 46221-2097

The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall furnish to IDEM, OAQ, and OES within a reasonable time, any information that IDEM, OAQ, and OES may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ, and OES copies of records required to be kept by this permit or, for information claimed to be confidential, the Permittee may furnish such records directly to the U. S. EPA along with a claim of confidentiality.[326 IAC 2-8-4(5)(E)]
- (c) The Permittee may include a claim of confidentiality in accordance with 326 IAC 17. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.9 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ and OES may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.10 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

- (a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:
 - (1) Enforcement action;
 - (2) Permit termination, revocation and reissuance, or modification; and
 - (3) Denial of a permit renewal application.
- (b) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- (c) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in condition B, Emergency Provisions.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.
- (c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis Indiana 46221-2097

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and OES on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, and OES may require to determine the compliance status of the source.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.13 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs), including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) The Permittee shall implement the PMPs as necessary to ensure that failure to implement a PMP does not cause or contribute to a violation of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ, and OES upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ, and OES. IDEM, OAQ, and OES may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or contributes to any violation. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) Records of preventive maintenance shall be retained for a period of at least five (5) years. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner and OES makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner and OES within a reasonable time.

B.14 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ or OES, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section)
or,
Telephone No.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967

OES
Telephone No.: 317/327-2234
Facsimile No.: 317/327-2274

Failure to notify IDEM, OAQ or OES, by telephone or facsimile within four (4)

daytime business hours after the beginning of the emergency, or after the emergency is discovered or reasonably should have been discovered, shall constitute a violation of 326 IAC 2-8 and any other applicable rules. [326 IAC 2-8-12(f)]

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis Indiana 46221-2097

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
 - (e) IDEM, OAQ and OES, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
 - (f) Failure to notify IDEM, OAQ and OES, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
 - (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the

Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

- (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provision), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis Indiana 46221-2097

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (c) Emergencies shall be included in the Quarterly Deviation and Compliance Monitoring Report.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination

[326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC

2-1.1-1(1).

- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ and/or OES determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ or OES, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ or OES, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ or OES, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and OES and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

and

City of Indianapolis
Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis Indiana 46221-2097

- (b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]
 - (1) A timely renewal application is one that is:
 - (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be

considered timely if received by IDEM, OAQ, and/or OES on or before the date it is due.

- (2) If IDEM, OAQ and/or OES upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

- (c) Right to Operate After Application for Renewal [326 IAC 2-8-9]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ and/or OES takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ and OES, any additional information identified as needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis Indiana 46221-2097

Any such application should be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15]

- (a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

- (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis Indiana 46221-2097

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, and OES, in the notices specified in 326 IAC 2-8-15(b), (c)(1), and (d).

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-8-15(a) and the following additional conditions:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted by the Permittee does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

- (c) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (d) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
The Permittee may make changes at the source within the range of alternative operating

scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

B.20 Permit Revision Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, and OES U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis Indiana 46221-2097

The application which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-11(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action, or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-0425 (ask for OAQ, Technical Support and Modeling Section), to determine the appropriate permit fee.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emissions Limitations and Standards [326 IAC 2-8-4(1)]

C.1 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(c) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period..

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and in 326 IAC 9-1-2.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326

IAC 6-4 (Fugitive Dust Emissions).

C.6 Operation of Equipment [326 IAC 2-8-5(a)(4)]

Except as otherwise provided by statute, rule or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis Indiana 46221-2097

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited is federally enforceable.

Testing Requirements [326 IAC 2-8-4(3)]

C.8 Performance Testing [326 IAC 3-6]

- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis Indiana 46221-2097

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ and OES not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, and if the source submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]

C.10 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented upon issuance of this permit. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.

Unless otherwise specified in the approval for the new emissions unit, compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing performed required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63 or other approved methods as specified in this permit.

Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5]

C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on March 13, 1996.
- (b) Upon direct notification by IDEM, OAQ and/or OES, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.13 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.14 Emission Statement [326 IAC 2-6] [326 IAC 2-8-4(3)]

- (a) The Permittee shall submit an emission statement certified pursuant to the requirements of 326 IAC 2-6. This statement must be received in accordance with the compliance schedule specified in 326 IAC 2-6-3 and must comply with the minimum requirements

specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8). The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis Indiana 46221-2097

The emission statement does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and OES on or before the date it is due.

C.15 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

- (a) Records of all required data, reports and support information shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner and/or OES makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner and/or OES within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.16 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The source shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

City of Indianapolis
Office of Environmental Services
Air Quality Management Section
2700 South Belmont Avenue
Indianapolis Indiana 46221-2097

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and OES on or before the date it is due.
- (d) Unless otherwise specified in this permit, any quarterly report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) Reporting periods are based on calendar years.

Stratospheric Ozone Protection

C.17 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156
- (b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (1) Four (4) non-heatset Lithographic offset presses, identified as emitting units numbers one (EU-1), three (EU-3), four (EU-4), and five (EU-5). EU-1, EU-3, and EU-4 have a maximum operating capacity of 12.38 million square inches per hour each; EU-5 has a maximum operating capacity of 16.80 million square inches per hour. The units are not equipped with control equipment and exhaust back into the building. The installation dates of each press are as follows: EU-1 (1990), EU-3 (1993), EU-4 (1993), and EU-5 (1998).
- (2) One (1) Man-Rolland UV Coater/Scoring Press, identified as emission unit number six (EU-6), having a maximum operating capacity of 5.59 million square inches per hour. The unit is not equipped with control equipment and exhausts back into the building. This unit was installed in 1998.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 VOC and HAP FESOP Limit [326 IAC 2-8-4] [326 IAC 8-1-6]

- (a) The amount of VOC delivered to EU-1, EU-3, EU-4, EU-5, and EU-6 plus the amount of VOC used for clean-up of the printing presses shall be limited to less than ninety-seven and four tenths (97.4) tons per twelve (12) consecutive month period with compliance determined at the end of each month. This limit is structured such that when including the emissions of the insignificant activities, the total source VOC emissions remain below one hundred (100) tons per twelve (12) consecutive month period. This renders the requirements of 326 IAC 2-7 (Part 70 Permit Program), 326 2-2 (Prevention of Significant Deterioration), and 40 CFR 52.21 not applicable.
- (b) The amount of VOC delivered to each press identified as EU-1, EU-3, EU-4, and EU-5 plus the amount of VOC used for clean-up of the printing presses shall be limited to less than twenty-three and twenty-eight hundredths (23.28) tons per twelve (12) consecutive month period with compliance determined at the end of each month. This renders the requirements of 326 IAC 8-1-6 not applicable.
- (c) The amount of any single HAP delivered to EU-1, EU-3, EU-4, and EU-5 plus the amount of any single HAP used for clean-up of the printing presses shall be limited to less than eight and fifty-seven hundredths (8.57) tons per twelve (12) consecutive month period with compliance determined at the end of each month. The amount of any combination of HAPs delivered to the printing presses plus the amount of any combination of HAPs used for clean-up of the printing presses shall be less than twenty-three and twelve hundredths (23.12) tons per twelve (12) consecutive month period with compliance determined at the end of each month. These limits are structured such that when including the emissions of the insignificant activities, the total source single HAP emissions remain below ten (10) tons per twelve (12) consecutive month period and the total source combination HAP emissions remain below twenty-five (25) tons per twelve (12) consecutive month period with compliance determined at the end of each month. These limits render the requirements of 326 IAC 2-7 (Part 70 Permit Program).
- (d) Any change or modification which may increase the potential emissions of VOC from printing press EU-6 to above twenty-five (25) tons per twelve (12) consecutive month period must be approved by the IDEM, OAQ and OES before any such change may occur. This will render the requirements of 326 IAC 8-1-6 not applicable.

D.1.2 Particulate Matter Emission Limitations [326 IAC 6-3-1]

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the four lithographic printing presses (EU-1, EU-3, EU-4, and EU-5) shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

D.1.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Condition B.13 (Preventative Maintenance Plan) of this permit, is required for EU-1, EU-3, EU-4, and EU-5.

Compliance Determination Requirements

D.1.4 Volatile Organic Compounds (VOC)

Compliance with the VOC content and usage limitations contained in Conditions D.1.1 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAQ, and OES reserve the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.1.5 VOC and HAP Emissions

Compliance with Condition D.1.1 shall be demonstrated within 30 days of the end of each month based on the total volatile organic compound and hazardous air pollutant usage for the most recent twelve (12) consecutive month period.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.6 Record Keeping Requirements

- (a) To document compliance with Condition D.1.1, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Conditions D.1.1.
 - (1) The amount and VOC and HAP content of each coating material and solvent used for each month. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;
 - (2) The cleanup solvent usage for each month;
 - (3) The total VOC and HAP usage for each month; and
 - (4) The weight of VOCs and HAPs emitted for each compliance period.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.7 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.1 (a-c) shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
and
CITY OF INDIANAPOLIS
OFFICE of ENVIRONMENTAL SERVICES**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: GAC Indianapolis, Sheetfed Division
Source Address: 7301 North Woodland Drive, Indianapolis, Indiana, 46278
Mailing Address: 7301 North Woodland Drive, Indianapolis, Indiana, 46278
FESOP No.: F097-13944-00143

**This certification shall be included when submitting monitoring, testing reports/results
or other documents as required by this permit.**

Please check what document is being certified:

- 9 Annual Compliance Certification Letter
- 9 Test Result (specify) _____
- 9 Report (specify) _____
- 9 Notification (specify) _____
- 9 Affidavit (specify) _____
- 9 Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY**

**COMPLIANCE BRANCH
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967**

**CITY OF INDIANAPOLIS
OFFICE of ENVIRONMENTAL SERVICES**

**DATA COMPLIANCE
2700 South Belmont Avenue
Indianapolis, Indiana 46221
Phone: 317-327-2234
Fax: 317-327-2274**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT**

Source Name: GAC Indianapolis, Sheetfed Division
Source Address: 7301 North Woodland Drive, Indianapolis, Indiana, 46278
Mailing Address: 7301 North Woodland Drive, Indianapolis, Indiana, 46278
FESOP No.: F097-13944-00143

This form consists of 2 pages

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- 9** This is an emergency as defined in 326 IAC 2-7-1(12)
CThe Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
CThe Permittee must submit notice in writing or by facsimile within two (2) days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:

Control Equipment:

Permit Condition or Operation Limitation in Permit:

Description of the Emergency:

Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

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Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
and
CITY OF INDIANAPOLIS
OFFICE of ENVIRONMENTAL SERVICES**

FESOP Quarterly Report
GAC Indianapolis, Sheetfed Division
7301 North Woodland Drive
Indianapolis, Indiana 46278
FESOP No.: F097-13944-00143

Facility: EU-1, EU-3, EU-4, EU-5
Parameter: VOC Emissions
Limit: Less than 23.28 tons of VOC per year per emitting unit

YEAR: _____

Month	Units	Column 1	Column 2	Column 1 + Column 2
		This Month	Previous 11 Months	12 Month Total
Month 1	EU-1			
	EU-3			
	EU-4			
	EU-5			
Month 2	EU-1			
	EU-3			
	EU-4			
	EU-5			
Month 3	EU-1			
	EU-3			
	EU-4			
	EU-5			

9 No deviation occurred in this quarter.
9 Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
and
CITY OF INDIANAPOLIS
OFFICE of ENVIRONMENTAL SERVICES**

FESOP Quarterly Report

GAC Indianapolis, Sheetfed Division
7301 North Woodland Drive
Indianapolis, Indiana 46278
FESOP No.: F097-13944-00143

Facility: EU-1, EU-3, EU-4, EU-5, EU-6
Parameter: VOC Emissions
Limit: 97.4 tons of VOC per twelve (12) consecutive month period

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
and
CITY OF INDIANAPOLIS
OFFICE of ENVIRONMENTAL SERVICES**

FESOP Quarterly Report

GAC Indianapolis, Sheetfed Division
7301 North Woodland Drive
Indianapolis, Indiana 46278
FESOP No.: F097-13944-00143

Facility: EU-1, EU-3, EU-4, EU-5
Parameter: HAP Emissions
Limit: 8.57 tons of an individual HAP per twelve (12) consecutive month period,

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
and
CITY OF INDIANAPOLIS
OFFICE of ENVIRONMENTAL SERVICES**

FESOP Quarterly Report

GAC Indianapolis, Sheetfed Division
7301 North Woodland Drive
Indianapolis, Indiana 46278
FESOP No.: F097-13944-00143

Facility: EU-1, EU-3, EU-4, EU-5
Parameter: HAP Emissions
Limit: 23.12 tons of any combination of HAPs per twelve (12) consecutive month period

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

9 No deviation occurred in this quarter.

9 Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
and
CITY OF INDIANAPOLIS
OFFICE of ENVIRONMENTAL SERVICES**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

GAC Indianapolis, Sheetfed Division
7301 North Woodland Drive
Indianapolis, Indiana 46278
FESOP No.: F097-13944-00143

Months: _____ to _____ Year: _____

Page 1 of 2

This report is an affirmation that the source has met all the requirements stated in this permit. This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)

Date of Deviation:

Duration of Deviation:

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**Indiana Department of Environmental Management
Office of Air Quality
and
City of Indianapolis
Office of Environmental Services**

Addendum to the
Technical Support Document for Federally Enforceable State Operating Permit
(FESOP) Renewal

Source Background and Description

Source Name:	GAC Indianapolis, Sheetfed Division
Source Location:	7301 North Woodland Drive
County:	Marion
SIC Code:	2731
Operation Permit No.:	F097-13944-00143
Permit Reviewer:	NJO

On August 14, 2002, the Office of Air Quality (OAQ) had a notice published in the Indianapolis Star Newspaper, Indianapolis, Indiana, stating that GAC Indianapolis, Sheetfed Division had applied for a Federally Enforceable State Operating Permit (FESOP) Renewal to operate a book printing and publishing facility. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

The following changes, to the draft FESOP Renewal Permit, will be made. The TSD will remain as it originally appeared when published. OAM and ERMD prefer that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the permit has been published are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision. (Bold text denotes language that has been added):

A reference to 326 IAC 8-1-6 was inadvertently excluded from Condition D.1.1. The condition and the table of contents have been updated to include 326 IAC 8-1-6:

D.1.1 VOC and HAP FESOP Limit [326 IAC 2-8-4] [326 IAC 8-1-6]

- (a) The amount of VOC delivered to EU-1, EU-3, EU-4, EU-5, and EU-6 plus the amount of VOC used for clean-up of the printing presses shall be limited to less than ninety-seven and four tenths (97.4) tons per twelve (12) consecutive month period with compliance determined at the end of each month. This limit is structured such that when including the emissions of the insignificant activities, the total source VOC emissions remain below one hundred (100) tons per twelve (12) consecutive month period. This renders the requirements of 326 IAC 2-7 (Part 70 Permit Program), 326 2-2 (Prevention of Significant Deterioration), and 40 CFR 52.21 not applicable.

**Indiana Department of Environmental Management
Office of Air Quality
and
Indianapolis Office of Environmental Services**

**Technical Support Document (TSD) for a Federally Enforceable State
Operating Permit (FESOP) Renewal**

Source Background and Description

Source Name: GAC Indianapolis, Sheetfed Division
Source Location: 7301 North Woodland Drive, Indianapolis, IN, 46278
County: Marion
SIC Code: 2731
Operation Permit No.: F097-13944-00143
Permit Reviewer: N. Olsen

The Office of Air Quality (OAQ) has reviewed a FESOP renewal application from GAC Indianapolis, Sheetfed Division relating to the operation of book printing and publishing. GAC Indianapolis, Sheetfed Division was issued FESOP 097-5517-00143 on December 11, 1996.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

- (a) Four (4) non-heatset Lithographic offset presses, identified as emitting units numbers one (EU-1), three (EU-3), four (EU-4), and five (EU-5). EU-1, EU-3, and EU-4 have a maximum operating capacity of 12.38 million square inches per hour each; EU-5 has a maximum operating capacity of 16.80 million square inches per hour. The units are not equipped with control equipment and exhaust back into the building. The installation dates of each press are as follows: EU-1 (1990), EU-3 (1993), EU-4 (1993), and EU-5 (1998).
- (b) One (1) Man-Rolland UV Coater/Scoring Press, identified as emission unit number six (EU-6), having a maximum operating capacity of 5.59 million square inches per hour. The unit is not equipped with control equipment and exhausts back into the building. This unit was installed in 1998.

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted facilities operating at this source during this review process.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.

- (b) Prepress area is classified as an insignificant emitting activity based on the following information. The potential emissions for this area were based on extrapolation of actual usage data to reflect continuous hours of operation. The potential emissions for this area were established at 0.65 tons of Hazardous Air Pollutants (HAPs) and 0.46 tons of VOC per year.
- (c) Particulate emissions from the use of anti-offset powders at the presses was classified as an insignificant emitting activity based on the following information. The potential emissions of particulate matter from each press was based on maximum usage of anti-offset powder and continuous hours of operation. The potential emissions of particulate matter for EU-1, EU-3, EU-4, and EU-5 was established at 2.71 tons per year. The short term potential emissions are less than 5 pounds per hour or 25 pounds per day for each press.

Existing Approvals

- (a) FESOP 097-5517-00143, issued on December 11, 1996; and expiring on December 11, 2001, and;
- (b) First Significant Modification 097-100114-00143, issued on January 20, 1999 (Note: This is a former title).

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the FESOP Renewal be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete FESOP Renewal application for the purposes of this review was received on February 20, 2001. Additional information was received on October 23, 2000.

Emission Calculations

See Appendix A of this document for detailed emissions calculations, pages 1 through 6 of 6.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source, excluding the emission limits that were contained in the previous FESOP.

Pollutant	Unrestricted Potential Emissions (tons/yr)
PM	10.84
PM-10	10.84
SO ₂	0.00
VOC	204.09
CO	0.00
NO _x	0.00

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

HAP's	Unrestricted Potential Emissions (tons/yr)
Glycol Ether	21.17
Xylene	3.48
Perchloroethylene	0.11
Methylene Chloride	0.21
Hexane	0.43
Hydroquinone	0.14
TOTAL	25.54

- (a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of Volatile Organic Compounds are equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of any single HAP is equal to or greater than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-1.1-1(16)) of a combination HAPs is greater than or equal to twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (c) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are not counted toward determination of PSD and Emission Offset applicability.

Potential to Emit After Issuance

The source, issued a FESOP on December 11, 1996, has opted to remain a FESOP source, rather than apply for a Part 70 Operating Permit. The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered enforceable only after issuance of this Federally Enforceable State Operating Permit and only to the extent that the effect of the control equipment is made practically enforceable in the permit. The source's potential to emit is based on the emission units included in the original FESOP (F097-5517-00143; issued on December 11, 1996) and the First Significant Permit Modification (SMF 097-10114-00143; issued January 20, 1999).

Potential to Emit After Issuance (tons/year)							
Process/emission unit	PM	PM-10	SO ₂	VOC	CO	NO _x	HAPs
EU-01	2.71	2.71	0.0	23.28	0.0	0.0	8.57 tons of individual HAP 23.12 tons of any combination of HAPs
EU-03	2.71	2.71	0.0	23.28	0.0	0.0	
EU-04	2.71	2.71	0.0	23.28	0.0	0.0	
EU-05	2.71	2.71	0.0	23.28	0.0	0.0	
EU-06	0.0	0.0	0.0	4.29	0.0	0.0	0.0
Insignificant	0.0	0.0	0.0	1.57	0.0	0.0	0.11 Perchloroethylene 0.21 Methylene Chloride 0.43 Hexane 0.002 Glycol Ether 0.14 Hydroquinone
Total PTE After Issuance	10.84	10.84	0.0	98.97	0.0	0.0	9.45 tons of an individual HAP 24.0 tons of any combination of HAPs

County Attainment Status

The source is located in Marion County.

Pollutant	Status
PM-10	attainment
SO ₂	maintenance
NO ₂	attainment
Ozone	maintenance
CO	attainment
Lead	maintenance attainment

- (a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Marion County has been designated as attainment or unclassifiable for ozone.

Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this source. NSPS requirements 40 CFR Part 60 Subpart QQ applies only to rotogravure printing presses. This source does not operate rotogravure printing presses.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63) applicable to this source. NESHAP requirements 40 CFR 63 Subpart KK do not apply to this source because it does not operate publication rotogravure, product and packaging rotogravure, or wide-web flexographic printing presses.

State Rule Applicability - Entire Source

326 IAC 1-5-2 (Emergency Reduction Plans)

The source has submitted an Emergency Reduction Plan (ERP) on March 13, 1996. The ERP has been verified to fulfill the requirements of 326 IAC 1-5-2 (Emergency Reduction Plans).

326 IAC 1-6-3 (Preventive Maintenance Plan)

Pursuant to 326 IAC 1-6-1 and 326 IAC 1-6-3, a Preventative Maintenance Plan (PMP) should have been developed for each facility that was formerly permitted as a registration level. Since this source is regulated under 326 IAC 2-8 IDEM, OAQ and OES have established the following guidelines for determining if a facility is required to develop a PMP:

Preventative Maintenance Plans (PMP) are required for all emitting units which emit PM, SO₂, or VOC with existing applicable requirements and;

- (1) a NSPS or NESHAP applies; or
- (2) the unit has a control device and allowable emissions exceed 10 pounds per hour; or
- (3) the unit does not have a control and actual emissions exceed 25 tons per year; or
- (4) the unit would have been subject to an applicable requirement if there was not a condition limiting the PTE

Based on IDEM, OAQ and OES review, a PMP is required for EU-1, EU-3, EU-4, and EU-5 because the units would have been subject to BACT without a condition limiting the potential to emit.

A PMP is not required for EU-6 because the unit does not have a control and actual emissions

do not exceed twenty-five (25) tons per year.

326 IAC 2-2-2 (Prevention of Significant Deterioration)

Pursuant to 326 IAC 2-2-2, the source is not a major PSD source because it is not one of the twenty-eight listed source categories under 326 IAC 2-2-1(p)(1), the unrestricted potential to emit any regulated pollutant does not exceed 250 tons per year, and no major PSD modifications were made pursuant to 326 IAC 2-2-1(o). The modification that occurred in 1998 that added EU-5 and EU-6 did not result in a significant net emissions increase of any pollutant which is being regulated under the Clean Air Act. The source commenced construction in 1982 (after August 7, 1977), and therefore does not predate this rule. However, 326 IAC 2-2-2 does not apply to this source because it does not meet the definition of a major PSD source.

326 IAC 2-4.1 (Major Source of HAPs)

This source is not subject to the provisions 326 2-4.1-1 (New Source Toxics Control) because the original FESOP was issued December 11, 1996 which is prior to July 27, 1997. The modification that occurred after July 27, 1997 that added EU-5 and EU-6 does not in and of itself have the potential to emit more than ten (10) tons per year of any individual HAP or more than 25 tons per year of any combination of HAPs.

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting), because it has the potential to emit more than ten (10) tons per year of Volatile Organic Compounds and is located in Marion County. Pursuant to this rule, the owner/operator of the source must submit an emission statement for the source. The statement must be received in accordance with the compliance schedule specified in 326 IAC 2-6 and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8).

326 IAC 2-8-4 (FESOP)

Pursuant to this rule, source wide emissions of any regulated air pollutant shall not exceed one hundred (100) tons per year and source wide emissions of any HAP shall not exceed ten (10) tons per year of an individual HAP and twenty-five (25) tons per year of total combination of HAPs, such that it does not fall within any of the categories listed in 326 IAC 2-7-2(a) and that assure compliance with all applicable requirements at the time of FESOP issuance.

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (2) (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), the source is subject to this rule because the source is located in Marion County, except for the area of Washington Township east of Fall Creek and the area of Franklin Township south of Thompson Road and east of Five Points Road. Thus, opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of thirty percent (30%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4-1 (Fugitive Dust Emissions)

Pursuant to 326 IAC 6-4-1, the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

State Rule Applicability - Individual Facilities

EU-1, EU-3, EU-4, EU-5, and EU-6

326 IAC 2-8-4 (VOC and HAP FESOP Limit)

- (1) The amount of VOC delivered to EU-1, EU-3, EU-4, EU-5, and EU-6 shall not exceed ninety-seven and four tenths (97.4) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (2) The amount of any single HAP delivered to EU-1, EU-3, EU-4, and EU-5 shall not exceed eight and fifty-seven hundredths (8.57) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (3) The amount of any combination of HAPs delivered to EU-1, EU-3, EU-4, and EU-5 shall not exceed twenty-three and twelve hundredths (23.12) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

These limits are structured such that when including emissions from insignificant activities, the total source VOC emissions remain below one hundred (100) tons per twelve (12) consecutive month period, the total source single HAP emissions remain below ten (10) tons per twelve (12) consecutive month period, and the total source combination HAP emissions remain below twenty-five (25) tons per twelve (12) consecutive month period. This renders the requirements of 326 IAC 2-7 (Part 70 Permit Program) not applicable.

326 IAC 6-1-2 (Particulate Matter)

Pursuant to 326 IAC 6-1-2, EU-1, EU-3, EU-4, and EU-5 are not subject to this rule because each emitting unit does not have the potential to emit one hundred (100) tons or more of particulate matter per year or have actual emissions of ten (10) tons or more of particulate matter per year.

326 IAC 6-3-1 (Particulate Matter Emission Limitations)

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the four lithographic printing presses (EU-1, EU-3, EU-4, and EU-5) shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

326 IAC 8-1-6 (Volatile Organic Compounds)

Pursuant to 326 IAC 8-1-6 (New facilities; general reduction requirements), EU-1, EU-3, EU-4, and EU-5 are subject to this rule based on the following:

- (1) there are no other applicable rules under Article 8,
- (2) each lithographic press has potential VOC emissions in excess of 25 tons per year, and
- (3) each lithographic press was constructed after January 1, 1980.

In order to meet the requirements of 326 IAC 8-1-6, the potential VOC emissions for EU-1, EU-3, EU-4, and EU-5 individually have been restricted to less than 23.28 tons per twelve (12) consecutive month period.

Pursuant to 326 IAC 8-1-6, this rule shall not apply to EU-6 because it does not have potential

VOC emissions that exceed twenty-five (25) tons per twelve (12) consecutive month period.

326 IAC 8-5-5 (Graphic Arts Operations)

The lithographic presses (EU-1, EU-3, EU-4, and EU-5) are not subject to the Graphic Arts Operations 326 IAC 8-5-5 because this rule only applies to flexographic and rotogravure presses.

326 IAC 20-18-1 (Hazardous Air Pollutants)

This source is not subject to 326 IAC 20-18-1 (Printing and Publishing Operations) because the source does not contain flexographic or rotogravure presses.

Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

All compliance requirements from previous approvals were incorporated into this FESOP. The compliance monitoring requirements applicable to this source are record keeping and reporting of VOC and HAP emissions.

Conclusion

The operation of this book printing and publishing source shall be subject to the conditions of the attached proposed (FESOP No.: F097-13944-00143).

Appendix A

Potential to Emit from Printing Press Operations: EU-1

Company Name: GAC Indianapolis, Sheetfed Division
Address City IN Zip: 7301 North Woodlawn Dr., Indianapolis, IN, 46278
County: Marion
Operation Permit No.: F097-13944-00143
Reviewer: N. Olsen

Process Information

Press I.D.	MAXIMUM LINE SPEED MIN	CONVERT FEET TO INCHES	MAXIMUM PRINT WIDTH INCHES	60 MIN HOUR	HR/YEAR	1/1000000	MMin^2/YEAR
-1: Heidelberg 102S P&L	430	12	40	60	8760	1000000	108484

Pollutant: Volatile Organic Compounds

Material Name	Maxium Coverage lbs/ MMin^2	Weight % Volatiles*	Flash Off %	Through Put MMin^2 Year	Tons 2000 lbs	Tons Year
Inks	2.5	15%	5.00%	108484	2000	1.02
Coating (Algan)	2.5	26%	100.00%	108484	2000	35.26
Fountain Solution	0.12	45%	100.00%	108484	2000	2.95
Cleaner Solvent	0.115	100%	100.00%	108484	2000	6.24
Total Emissions						45.46

Pollutant: PM-10

Material Name	Maxium Coverage lbs/ MMin^2	Collection Efficiency	Capture Efficiency	Through Put MMin^2 Year	Tons 2000 lbs	Tons Year
Anti Set-Off Powder	0.05	100.00%	0.00%	108484	2000	2.71
Total Emissions						2.71

Pollutant: Glycol Ether

Material Name	Maxium Coverage lbs/ MMin^2	Weight % HAP	Flash Off %	Through Put MMin^2 Year	Tons 2000 lbs	Tons Year
Kelstar (Coating)	2.5	1.50%	100.00%	108484	2000	2.03
Fountain Solution	0.12	45.27%	100.00%	108484	2000	2.95
Cleaner Solvent	0.115	5.00%	100.00%	108484	2000	0.31
Total Emissions						5.29

Pollutant: Xylene

Material Name	Maxium Coverage lbs/ MMin^2	Weight % HAP	Flash Off %	Through Put MMin^2 Year	Tons 2000 lbs	Tons Year
Cleaner Solvent	2.5	0.64%	100.00%	108484	2000	0.87
Total Emissions						0.87

*VOC = Maximum Coverage pounds per MMin^2 * Weight % volatiles (weight % of water & organics - weight % of water = weights % organics) * Flash off * Throughput * Tons per 2000 pounds = Ton

Throughput = Maximum line speed feet per minute * Convert feet to inches * Maximum print width inches * 60 minutes per hour * 8760 hours per year = MMin^2 per Year

NOTE: Based on EPA's CTG Document for Offset Lithographic Printing a substrate retention factor of .95 was used in the calculations.

Potential to Emit from Printing Press Operations: EU-3

Company Name: GAC Indianapolis, Sheetfed Division
Address City IN Zip: 7301 North Woodlawn Dr., Indianapolis, IN, 46278
County: Marion
Operation Permit No.: F097-13944-00143
Reviewer: N. Olsen

Process Information

Press I.D.	MAXIMUM LINE SPEED MIN	CONVERT FEET TO INCHES	MAXIMUM PRINT WIDTH INCHES	60 MIN HOUR	HR/YR	1/1000000	MMin^2/YEAR
3: Heidelberg CD102 S&L	430	12	40	60	8760	1000000	108484

Pollutant: Volatile Organic Compounds

Material Name	Maxium Coverage lbs/ MMin^2	Weight % Volatiles*	Flash Off %	Through Put MMin^2 Year	Tons 2000 lbs	Tons Year
Inks	2.5	15%	5.00%	108484	2000	1.02
Coating (Algan)	2.5	26%	100.00%	108484	2000	35.26
Fountain Solution	0.12	45%	100.00%	108484	2000	2.95
Cleaner Solvent	0.115	100%	100.00%	108484	2000	6.24
Total Emissions						45.46

Pollutant: PM-10

Material Name	Maxium Coverage lbs/ MMin^2	Collection Efficiency	Capture Efficiency	Through Put MMin^2 Year	Tons 2000 lbs	Tons Year
Anti Set-Off Powder	0.05	100.00%	0.00%	108484	2000	2.71
Total Emissions						2.71

Pollutant: Glyco Ether

Material Name	Maxium Coverage lbs/ MMin^2	Weight % HAP	Flash Off %	Through Put MMin^2 Year	Tons 2000 lbs	Tons Year
Kelstar (Coating)	2.5	1.50%	100.00%	108484	2000	2.03
Fountain Solution	0.12	45.27%	100.00%	108484	2000	2.95
Cleaner Solvent	0.115	5.00%	100.00%	108484	2000	0.31
Total Emissions						5.29

Pollutant: Xylene

Material Name	Maxium Coverage lbs/ MMin^2	Weight % HAP	Flash Off %	Through Put MMin^2 Year	Tons 2000 lbs	Tons Year
Cleaner Solvent	2.5	0.64%	100.00%	108484	2000	0.87
Total Emissions						0.87

*VOC = Maximum Coverage pounds per MMin^2 * Weight % volatiles (weight % of water & organics - weight % of water = weights % organics) * Flash off * Throughput * Tons per 2000 pounds = Ton

Throughput = Maxium line speed feet per minute * Convert feet to inches * Maximum print width inches * 60 minutes per hour * 8760 hours per year = MMin^2 per Year

NOTE: Based on EPA's CTG Document for Offset Lithographic Printing a substrate retention factor of .95 was used in the calculations.

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Potential to Emit from Printing Press Operations: EU-4

Company Name: GAC Indianapolis, Sheetfed Division
Address City IN Zip: 7301 North Woodlawn Dr., Indianapolis, IN, 46278
County: Marion
Operation Permit No.: F097-13944-00143
Reviewer: N. Olsen

Process Information

Press I.D.	MAXIMUM LINE SPEED # MIN	CONVERT FEET TO INCHES	MAXIMUM PRINT WIDTH INCHES	60 MIN HOUR	HR/YEAR	1/1000000	MMin^2/YEAR
4: Heidelberg CD102 S&L	430	12	40	60	8760	1000000	108484

Pollutant: Volatile Organic Compounds

Material Name	Maxium Coverage lbs/ MMin^2	Weight % Volatiles*	Flash Off %	Through Put MMin^2 Year	Tons 2000 lbs	Tons Year
Inks	2.5	15%	5.00%	108484	2000	1.02
Coating (Algan)	2.5	26%	100.00%	108484	2000	35.26
Fountain Solution	0.12	45%	100.00%	108484	2000	2.95
Cleaner Solvent	0.115	100%	100.00%	108484	2000	6.24
Total Emissions						45.46

Pollutant: PM-10

Material Name	Maxium Coverage lbs/ MMin^2	Collection Efficiency	Capture Efficiency	Through Put MMin^2 Year	Tons 2000 lbs	Tons Year
Anti Set-Off Powder	0.05	100.00%	0.00%	108484	2000	2.71
Total Emissions						2.71

Pollutant: Glyco Ether

Material Name	Maxium Coverage lbs/ MMin^2	Weight % HAP	Flash Off %	Through Put MMin^2 Year	Tons 2000 lbs	Tons Year
Kelstar (Coating)	2.5	1.50%	100.00%	108484	2000	2.03
Fountain Solution	0.12	45.27%	100.00%	108484	2000	2.95
Cleaner Solvent	0.115	5.00%	100.00%	108484	2000	0.31
Total Emissions						5.29

Pollutant: Xylene

Material Name	Maxium Coverage lbs/ MMin^2	Weight % HAP	Flash Off %	Through Put MMin^2 Year	Tons 2000 lbs	Tons Year
Cleaner Solvent	2.5	0.64%	100.00%	108484	2000	0.87
Total Emissions						0.87

*VOC = Maximum Coverage pounds per MMin^2 * Weight % volatiles (weight % of water & organics - weight % of water = weights % organics) * Flash off * Throughput * Tons per 2000 pounds = Ton

Throughput = Maximum line speed feet per minute * Convert feet to inches * Maximum print width inches * 60 minutes per hour * 8760 hours per year = MMin^2 per Year

NOTE: Based on EPA's CTG Document for Offset Lithographic Printing a substrate retention factor of .95 was used in the calculations.

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Potential to Emit from Printing Press Operations: EU-5

Company Name: GAC Indianapolis, Sheetfed Division
Address City IN Zip: 7301 North Woodlawn Dr., Indianapolis, IN, 46278
County: Marion
Operation Permit No.: F097-13944-00143
Reviewer: N. Olsen

Process Information

Press I.D.	MAXIMUM LINE SPEED # MIN	CONVERT FEET TO INCHES	MAXIMUM PRINT WIDTH INCHES	60 MIN HOUR	HR/YEAR	1/1000000	MMin^2/YEAR
5: Heidelberg CD102 LYL	585	12	40	60	8760	1000000	147588

Pollutant: Volatile Organic Compounds

Material Name	Maxium Coverage lbs/ MMin^2	Weight % Volatiles*	Flash Off %	Through Put MMin^2 Year	Tons 2000 lbs	Tons Year
Inks	2.5	15%	5.00%	147588	2000	1.38
Coating (Algan)	2.5	26%	100.00%	147588	2000	47.97
Fountain Solution	0.12	45%	100.00%	147588	2000	4.01
Cleaner Solvent	0.115	100%	100.00%	147588	2000	8.49
Total Emissions						61.85

Pollutant: PM-10

Material Name	Maxium Coverage lbs/ MMin^2	Collection Efficiency	Capture Efficiency	Through Put MMin^2 Year	Tons 2000 lbs	Tons Year
Anti Set-Off Powder	0.05	100.00%	0.00%	108484	2000	2.71
Total Emissions						2.71

Pollutant: Glyco Ether

Material Name	Maxium Coverage lbs/ MMin^2	Weight % HAP	Flash Off %	Through Put MMin^2 Year	Tons 2000 lbs	Tons Year
Kelstar (Coating)	2.5	1.50%	100.00%	108484	2000	2.03
Fountain Solution	0.12	45.27%	100.00%	108484	2000	2.95
Cleaner Solvent	0.115	5.00%	100.00%	108484	2000	0.31
Total Emissions						5.29

Pollutant: Xylene

Material Name	Maxium Coverage lbs/ MMin^2	Weight % HAP	Flash Off %	Through Put MMin^2 Year	Tons 2000 lbs	Tons Year
Cleaner Solvent	2.5	0.64%	100.00%	108484	2000	0.87
Total Emissions						0.87

*VOC = Maximum Coverage pounds per MMin^2 * Weight % volatiles (weight % of water & organics - weight % of water = weights % organics) * Flash off * Throughput * Tons per 2000 pounds = Ton

Throughput = Maxium line speed feet per minute * Convert feet to inches * Maximum print width inches * 60 minutes per hour * 8760 hours per year = MMin^2 per Year

NOTE: Based on EPA's CTG Document for Offset Lithographic Printing a substrate retention factor of .95 was used in the calculations.

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Potential to Emit from Printing Press Operations: EU-6

Company Name: GAC Indianapolis, Sheetfed Division
Address City IN Zip: 7301 North Woodlawn Dr., Indianapolis, IN, 46278
County: Marion
Operation Permit No.: F097-13944-00143
Reviewer: N. Olsen

Process Information

Press I.D.	MAXIMUM LINE SPEED FEET MIN	CONVERT FEET TO INCHES	MAXIMUM PRINT WIDTH INCHES	60 MIN HOUR	HR/YEAR	1/1000000	MMin^2/YEAR
Man Roland 40TC 6404RZK3B	194	12	40	60	8760	1000000	48944

Pollutant: Volatile Organic Compounds

	Maximum Rate (MMin^2/hr)	Emission Factor (lb/Mmin^2)	Emission Rate (lb/hr)	Maximum Uncontrolled Emissions (tons/yr)	Pollution Control Efficiency (%)	Max Controlled Emissions (tons/yr)
VOCs from UV Coatings	5.6	0.025	0.14	0.6132	0	0.6132
VOCs from Isopropyl Alcohol	5.6	0.150	0.84	3.6800	0	3.6800
Total Emissions						4.29

Material Data:

Material	Volume % Volatiles (water and organics)	Volume % water	Weight % Volatiles (water and organics)	Weight % Water	Maximum Coverage (lbs/MM in^2)
Sun U.V. Coatings	1	0.00%	1.00%	0	2.5
Isopropyl Alcohol	100	0.00%	100.00%	0	0.15

Emission factor for ink: $2.5 \text{ lb ink} / \text{MM in}^2 * (0.01\% \text{VOC}) = 0.025 \text{ lb VOC} / \text{MM in}^2$

Emission factor for cleaning solution: $0.115 \text{ lb} / \text{MM in}^2 * 100\% = 0.115 \text{ lb VOC} / \text{MM in}^2$

Throughput = Maximum line speed feet per minute * Convert feet to inches * Maximum print width inches * 60 minutes per hour * 8760 hours per year = MMin^2 per Year

NOTE: Based on EPA's CTG Document for Offset Lithographic Printing a substrate retention factor of .95 was used in the calculations.

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Total Source Wide Potential to Emit

Company Name: GAC Indianapolis, Sheetfed Division
Address City IN Zip: 7301 North Woodlawn Dr., Indianapolis, IN, 46278
County: Marion
Operation Permit No.: F097-13944-00143
Reviewer: N. Olsen

Pollutant	EU-1 Tons/Year	EU-3 Tons/Year	EU-4 Tons/Year	EU-5 Tons/Year	EU-6 Tons/Year	Insignificant Tons/yr	Total Tons/Year
VOC	45.46	45.46	45.46	61.85	4.29	1.57	204.09
Glyco Ether	5.29	5.29	5.29	5.29	0.00	0.002	21.17
Xylene	0.87	0.87	0.87	0.87	0.00	0.00	3.48
Perchloroethylene	0.00	0.00	0.00	0.00	0.00	0.11	0.11
Methylene Chloride	0.00	0.00	0.00	0.00	0.00	0.21	0.21
Hexane	0.00	0.00	0.00	0.00	0.00	0.43	0.43
Hydrorouinone	0.00	0.00	0.00	0.00	0.00	0.14	0.14
Particulates	2.71	2.71	2.71	2.71	0.00	0.00	10.85

Total HAPs 25.54
 Highest Individual HAP 21.17 Glycol Ether

Permit Limits

Limit for an individual HAP is 9 tons per year minus insignificant emissions of HAP with the greatest emissions

9 tons - 0.43 ton = 8.57 tons/yr

Limit for any combination of HAPs is 24 tons per year minus insignificant emissions of all HAPs

24 tons - 0.89 tons = 23.11 tons/yr

Limit for VOCs set at 23.28 tons per EU-1, EU-3, EU-4, EU-5 such that 326 IAC 8-1-6 shall not apply

23.28 tons/year x 4 emitting units = 93.12 tons/yr

The source wide PTE including insignificant emitting activities

93.12 tons/yr + 4.29 tons/yr + 1.57 tons/yr = 98.97 tons/yr

Insignificant Emitting Activities

Pre Press Area

Material	Material Usage (lbs/yr)	HAP	% HAP by weight	% VOC by weight	VOC (tons/yr)	HAP (tons/yr)
Film Kleen	1820	Methylene Chloride	20.59%	0.00%	0.00	0.19
		Perchloroethylene	10.30%	10.30%	0.09	0.09
		Hexane	40.00%	40.00%	0.36	0.36

Total Emissions for the Pre Press Area = 0.46 0.65